

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A display device comprising:
a source signal line driving circuit;
a pixel portion;
a shift register included in said source signal line driving circuit for serially outputting ~~pulses~~ a pulse in accordance with clock signals;
a level shifter included in said source signal line driving circuit for converting a voltage amplitude of input signals; and
a current source provided in said source signal line driving circuit for supplying a current to said level shifter based on the pulse from the shift register,
wherein said current source supplies the current only when said shift register serially outputs the pulses.
2. (Previously Presented) A display device according to claim 1, wherein said source signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.
3. (Previously Presented) A display device according to claim 1, wherein said driving circuit and said pixel portion are provided over a same substrate.
4. (Previously Presented) A display device according to claim 1, wherein said driving circuit and said pixel portion are provided over different substrates.

5. (Previously Presented) A display device according to claim 1, wherein said display device is a liquid crystal display device.

6. (Previously Presented) A display device according to claim 1, wherein said display device is incorporated into a personal computer.

7. (Previously Presented) A display device according to claim 1, wherein said display device is incorporated into a portable information terminal.

8. (Previously Presented) A display device according to claim 1, wherein said display device is incorporated into a car audio set.

9. (Previously Presented) A display device according to claim 1, wherein said display device is incorporated into a digital camera.

10. (Currently Amended) A display device comprising:
a source signal line driving circuit;
a pixel portion;
first to x-th (x: natural number, $x \geq 2$) units included in said source signal line driving circuit;
a shift register included in the a-th (a: natural number, $1 \leq a \leq x$) unit for serially outputting ~~pulses~~ a pulse in accordance with clock signals;
a plurality of level shifters included in said a-th unit for converting a voltage amplitude of input signals; and
an a-th current source provided in said a-th unit for supplying a current to said plurality of level shifters based on the pulse from the shift register,
wherein said a-th current source supplies the current to said plurality of level shifters only when said shift register in said a-th unit serially outputs the pulses.

11. (Previously Presented) A display device according to claim 10, wherein said source signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

12. (Previously Presented) A display device according to claim 10, wherein said driving circuit and said pixel portion are provided over a same substrate.

13. (Previously Presented) A display device according to claim 10, wherein said driving circuit and said pixel portion are provided over different substrates.

14. (Previously Presented) A display device according to claim 10, wherein said display device is a liquid crystal display device.

15. (Previously Presented) A display device according to claim 10, wherein said display device is incorporated into a personal computer.

16. (Previously Presented) A display device according to claim 10, wherein said display device is incorporated into a portable information terminal.

17. (Previously Presented) A display device according to claim 10, wherein said display device is incorporated into a car audio set.

18. (Previously Presented) A display device according to claim 10, wherein said display device is incorporated into a digital camera.

19-36. (Canceled)

37. (Currently Amended) A display device comprising:

a gate signal line driving circuit;

a pixel portion;

a shift register included in said gate signal line driving circuit for ~~serially~~ outputting ~~pulses~~ a pulse in accordance with clock signals;

a level shifter included in said gate signal line driving circuit for converting a voltage amplitude of input signals; and

a current source provided in said gate signal line driving circuit for supplying a current to said level shifter based on the pulse from the shift register,

wherein said current source supplies the current only when said shift register serially outputs the pulses.

38. (Previously Presented) A display device according to claim 37, wherein said gate signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

39. (Previously Presented) A display device according to claim 37, wherein said driving circuit and said pixel portion are provided over a same substrate.

40. (Previously Presented) A display device according to claim 37, wherein said driving circuit and said pixel portion are provided over different substrates.

41. (Previously Presented) A display device according to claim 37, wherein said display device is a liquid crystal display device.

42. (Previously Presented) A display device according to claim 37, wherein said display device is incorporated into a personal computer.

43. (Previously Presented) A display device according to claim 37, wherein said display device is incorporated into a portable information terminal.

44. (Previously Presented) A display device according to claim 37, wherein said display device is incorporated into a car audio set.

45. (Previously Presented) A display device according to claim 37, wherein said display device is incorporated into a digital camera.

46. (Currently Amended) A display device comprising:
a gate signal line driving circuit;
a pixel portion;
first to y-th (y : natural number, $y \geq 2$) units included in said gate signal line driving circuit;
a shift register included in the d-th (d : natural number, $1 \leq d \leq y$) unit for serially outputting ~~pulses~~ a pulse in accordance with clock signals;
a plurality of level shifters included in said d-th unit for converting a voltage amplitude of input signals; and
a d-th current source provided in said d-th unit for supplying a current to said plurality of level shifters based on the pulse from the shift register,
wherein said d-th current source supplies the current to said plurality of level shifters in said d-th unit only when said shift register in said d-th unit serially outputs the pulses.

47. (Previously Presented) A display device according to claim 46, wherein said gate signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

48. (Previously Presented) A display device according to claim 46, wherein said driving circuit and said pixel portion are provided over a same substrate.

49. (Previously Presented) A display device according to claim 46, wherein said driving circuit and said pixel portion are provided over different substrates.

50. (Previously Presented) A display device according to claim 46, wherein said display device is a liquid crystal display device.

51. (Previously Presented) A display device according to claim 46, wherein said display device is incorporated into a personal computer.

52. (Previously Presented) A display device according to claim 46, wherein said display device is incorporated into a portable information terminal.

53. (Previously Presented) A display device according to claim 46, wherein said display device is incorporated into a car audio set.

54. (Previously Presented) A display device according to claim 46, wherein said display device is incorporated into a digital camera.

55-72. (Canceled)

73. (Currently Amended) A display device comprising:

a source signal line driving circuit;

a pixel portion;

a decoder included in said source signal line driving circuit for outputting pulses a pulse in accordance with input signals;

a level shifter included in said source signal line driving circuit for converting a voltage amplitude of the input signals; and

a current source provided in said source signal line driving circuit for supplying a current to said level shifter based on the pulse from the decoder.

wherein said current source supplies the current only when said decoder outputs the pulses.

74. (Previously Presented) A display device according to claim 73, wherein said source signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

75. (Previously Presented) A display device according to claim 73, wherein said driving circuit and said pixel portion are provided over a same substrate.

76. (Previously Presented) A display device according to claim 73, wherein said driving circuit and said pixel portion are provided over different substrates.

77. (Previously Presented) A display device according to claim 73, wherein said display device is a liquid crystal display device.

78. (Previously Presented) A display device according to claim 73, wherein said display device is incorporated into a personal computer.

79. (Previously Presented) A display device according to claim 73, wherein said display device is incorporated into a portable information terminal.

80. (Previously Presented) A display device according to claim 73, wherein said display device is incorporated into a car audio set.

81. (Previously Presented) A display device according to claim 73, wherein said display device is incorporated into a digital camera.

82. (Currently Amended) A display device comprising:
a source signal line driving circuit;
a pixel portion;
first to x-th (x : natural number, $x \geq 2$) units included in said source signal line driving circuit;
a decoder included in the a-th (a : natural number, $1 \leq a \leq x$) unit for outputting ~~pulses~~ a pulse in accordance with input signals;
a plurality of level shifters included in said a-th unit for converting a voltage amplitude of the input signals; and
an a-th current source provided in said a-th unit for supplying a current to said plurality of level shifters based on the pulse from the decoder,
wherein said a-th current source supplies the current to said plurality of level shifters only when said decoder in said a-th unit outputs the pulses.

83. (Previously Presented) A display device according to claim 82, wherein said source signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

84. (Previously Presented) A display device according to claim 82, wherein said driving circuit and said pixel portion are provided over a same substrate.

85. (Previously Presented) A display device according to claim 82, wherein said driving circuit and said pixel portion are provided over different substrates.

86. (Previously Presented) A display device according to claim 82, wherein said display device is a liquid crystal display device.

87. (Previously Presented) A display device according to claim 82, wherein said display device is incorporated into a personal computer.

88. (Previously Presented) A display device according to claim 82, wherein said display device is incorporated into a portable information terminal.

89. (Previously Presented) A display device according to claim 82, wherein said display device is incorporated into a car audio set.

90. (Previously Presented) A display device according to claim 82, wherein said display device is incorporated into a digital camera.

91-108. (Canceled)

109. (Currently Amended) A display device comprising:
a gate signal line driving circuit;
a pixel portion;

a decoder included in said gate signal line driving circuit for outputting ~~pulses~~ a pulse in accordance with input signals;

a level shifter included in said gate signal line driving circuit for converting a voltage amplitude of the input signals; and

a current source provided in said gate signal line driving circuit for supplying a current to said level shifter based on the pulse from the decoder,

wherein said current source supplies the current only when said decoder outputs the pulses.

110. (Previously Presented) A display device according to claim 109, wherein said gate signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

111. (Previously Presented) A display device according to claim 109, wherein said driving circuit and said pixel portion are provided over a same substrate.

112. (Previously Presented) A display device according to claim 109, wherein said driving circuit and said pixel portion are provided over different substrates.

113. (Previously Presented) A display device according to claim 109, wherein said display device is a liquid crystal display device.

114. (Previously Presented) A display device according to claim 109, wherein said display device is incorporated into a personal computer.

115. (Previously Presented) A display device according to claim 109, wherein said display device is incorporated into a portable information terminal.

116. (Previously Presented) A display device according to claim 109, wherein said display device is incorporated into a car audio set.

117. (Previously Presented) A display device according to claim 109, wherein said display device is incorporated into a digital camera.

118. (Currently Amended) A display device comprising:
a gate signal line driving circuit;
a pixel portion;
first to y-th (y : natural number, $y \geq 2$) units included in said gate signal line driving circuit;
a decoder included in the d-th (d : natural number, $1 \leq d \leq y$) unit for outputting pulses a pulse in accordance with input signals;
a plurality of level shifters included in said d-th unit for converting a voltage amplitude of the input signals; and
a d-th current source provided in said d-th unit for supplying a current to said plurality of level shifters based on the pulse from the decoder,
wherein said d-th current source supplies the current to said plurality of level shifters only when said decoder in said d-th unit outputs the pulses.

119. (Previously Presented) A display device according to claim 118, wherein said gate signal line driving circuit and said pixel portion are provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

120. (Previously Presented) A display device according to claim 118, wherein said driving circuit and said pixel portion are provided over a same substrate.

121. (Previously Presented) A display device according to claim 118, wherein said driving circuit and said pixel portion are provided over different substrates.

122. (Previously Presented) A display device according to claim 118, wherein said display device is a liquid crystal display device.

123. (Previously Presented) A display device according to claim 118, wherein said display device is incorporated into a personal computer.

124. (Previously Presented) A display device according to claim 118, wherein said display device is incorporated into a portable information terminal.

125. (Previously Presented) A display device according to claim 118, wherein said display device is incorporated into a car audio set.

126. (Previously Presented) A display device according to claim 118, wherein said display device is incorporated into a digital camera.

127-144. (Canceled)

145. (New) A semiconductor device comprising:

a driving circuit;

a shift register included in said driving circuit for outputting a pulse in accordance with clock signals;

a level shifter included in said driving circuit for converting a voltage amplitude of input signals; and

a current source provided in said driving circuit for supplying a current to said level shifter based on the pulse from the shift register,

wherein said current source supplies the current only when said shift register serially outputs the pulses.

146. (New) A semiconductor device according to claim 145, wherein said driving circuit is provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

147. (New) A semiconductor device according to claim 145, wherein said semiconductor device is a liquid crystal display device.

148. (New) A semiconductor device according to claim 145, wherein said display device is incorporated into a personal computer.

149. (New) A semiconductor device according to claim 145, wherein said display device is incorporated into a portable information terminal.

150. (New) A semiconductor device according to claim 145, wherein said display device is incorporated into a car audio set.

151. (New) A semiconductor device according to claim 145, wherein said display device is incorporated into a digital camera.

152. (New) A semiconductor device comprising:

a driving circuit;

first to x-th (x: natural number, $x \geq 2$) units included in said driving circuit;

a shift register included in the a-th (a: natural number, $1 \leq a \leq x$) unit for outputting a pulse in accordance with clock signals;

a plurality of level shifters included in said a-th unit for converting a voltage amplitude of input signals; and

an a-th current source provided in said a-th unit for supplying a current to said plurality of level shifters based on the pulse from the shift register,

wherein said a-th current source supplies the current to said plurality of level shifters only when said shift register in said a-th unit serially outputs the pulses.

153. (New) A semiconductor device according to claim 152, wherein said driving circuit is provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

154. (New) A semiconductor device according to claim 152, wherein said semiconductor device is a liquid crystal display device.

155. (New) A semiconductor device according to claim 152, wherein said display device is incorporated into a personal computer.

156. (New) A semiconductor device according to claim 152, wherein said display device is incorporated into a portable information terminal.

157. (New) A semiconductor device according to claim 152, wherein said display device is incorporated into a car audio set.

158. (New) A semiconductor device according to claim 152, wherein said display device is incorporated into a digital camera.

159. (New) A semiconductor device comprising:
a driving circuit;
a decoder included in said driving circuit for outputting a pulse in accordance with input signals;
a level shifter included in said driving circuit for converting a voltage amplitude of the input signals; and
a current source provided in said driving circuit for supplying a current to said level shifter based on the pulse from the decoder,
wherein said current source supplies the current only when said decoder outputs the pulses.

160. (New) A semiconductor device according to claim 159, wherein said driving circuit is provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

161. (New) A semiconductor device according to claim 159, wherein said semiconductor device is a liquid crystal display device.

162. (New) A semiconductor device according to claim 159, wherein said display device is incorporated into a personal computer.

163. (New) A semiconductor device according to claim 159, wherein said display device is incorporated into a portable information terminal.

164. (New) A semiconductor device according to claim 159, wherein said display device is incorporated into a car audio set.

165. (New) A semiconductor device according to claim 159, wherein said display device is incorporated into a digital camera.

166. (New) A semiconductor device comprising:
a driving circuit;
first to x-th (x : natural number, $x \geq 2$) units included in said driving circuit;
a decoder included in the a-th (a : natural number, $1 \leq a \leq x$) unit for outputting a pulse in accordance with input signals;
a plurality of level shifters included in said a-th unit for converting a voltage amplitude of the input signals; and
an a-th current source provided in said a-th unit for supplying a current to said plurality of level shifters based on the pulse from the decoder,
wherein said a-th current source supplies the current to said plurality of level shifters only when said decoder in said a-th unit outputs the pulses.

167. (New) A semiconductor device according to claim 166, wherein said driving circuit is provided over a member selected from the group consisting of a glass substrate, a plastic substrate, a stainless steel substrate and a single crystal wafer.

168. (New) A semiconductor device according to claim 166, wherein said semiconductor device is a liquid crystal display device.

169. (New) A semiconductor device according to claim 166, wherein said display device is incorporated into a personal computer.

170. (New) A semiconductor device according to claim 166, wherein said display device is incorporated into a portable information terminal.

171. (New) A semiconductor device according to claim 166, wherein said display device is incorporated into a car audio set.

172. (New) A semiconductor device according to claim 166, wherein said display device is incorporated into a digital camera.

173. (New) A display device according to claim 1, wherein said source signal line driving circuit comprises thin film transistors.

174. (New) A display device according to claim 10, wherein said source signal line driving circuit comprises thin film transistors.

175. (New) A display device according to claim 37, wherein said gate signal line driving circuit comprises thin film transistors.

176. (New) A display device according to claim 46, wherein said gate signal line driving circuit comprises thin film transistors.

177. (New) A display device according to claim 73, wherein said source signal line driving circuit comprises thin film transistors.

178. (New) A display device according to claim 82, wherein said source signal line driving circuit comprises thin film transistors.

179. (New) A display device according to claim 109, wherein said gate signal line driving circuit comprises thin film transistors.

180. (New) A display device according to claim 118, wherein said gate signal line driving circuit comprises thin film transistors.

181. (New) A semiconductor device according to claim 145, wherein said driving circuit comprises thin film transistors.

182. (New) A semiconductor device according to claim 152, wherein said driving circuit comprises thin film transistors.

183. (New) A semiconductor device according to claim 159, wherein said driving circuit comprises thin film transistors.

184. (New) A semiconductor device according to claim 166, wherein said driving circuit comprises thin film transistors.